RESTATEMENTS AND AMENDMENTS

In the Claims:

　　　　The following is a list of claims currently pending in this application and their current status. This listing of claims replaces all prior versions and listings in this application.

1.　　　(Previously presented) An improved management decision support system, including a computer system having memory and resources, a retail demand forecasting program applying one or more forecasting approaches, running on the computer system and generating output, and a set of analysis programs, running on the computer system and utilizing the output, said analysis programs generating at least one of (a) order of goods from a supplier-related data, (b) allocation of the goods to be shipped by the supplier-related data, or (c) distribution of goods to selling locations-related data, the improvement comprising:

　　　　　　　　a presentation demand calendar utilized by the forecasting program to generate the output, said presentation demand calendar associating with a plurality of good-selling location pairs, data including a good identifier, a selling location identifier, a presentation demand type that selects one of a plurality of alternative treatments of presentation demand, and one or more presentation quantities each associated with a start date and a stop date; and

　　　　　　　　one or more additional analysis programs in the set of analysis programs generating at least two of:

　　　　　　open to buy analysis;

　　　　　　markdown management analysis; or

　　　　　　promotional forward buying analysis.

2.　　　(Original) The improvement of claim 1, wherein the start date and the stop date are implicitly associated with a memory location in which the presentation quantity is stored.

3.　　　(Original) The improvement of claim 1, wherein the start date and the stop date are explicitly stored.

4.   (Original) The improvement of claim 1, wherein the start dates and stop dates for the one or more presentation quantities define non-overlapping periods.

5.   (Original) The improvement of claim 1, wherein the start dates and stop dates for the one or more presentation quantities define overlapping periods.

6.   (Original) The improvement of claim 1, wherein the good identifier associated with good-selling location pairs includes a good number and a good description.

7.   (Original) The improvement of claim 1, further including a good description table associated with the good identifier.

8.   (Original) The improvement of claim 1, wherein the selling location identifier associated with good-selling location pairs includes a selling location number and a selling location description.

9.   (Original) The improvement of claim 1, further including a selling location description table associated with the selling location identifier.

10.   (Original) The improvement of claim 1, wherein the set of analysis programs is adapted to basic retail goods.

11.   (Original) The improvement of claim 1, wherein the set of analysis programs is adapted to seasonal retail goods.

12.   (Original) The improvement of claim 1, wherein the set of analysis programs is adapted to fashion retail goods.

13.   (Original) The improvement of claim 1, wherein the set of analysis programs operate on daily or more frequent period forecasts.

14.   (Original) The improvement of claim 1, wherein the set of analysis programs operate on weekly forecasts.

15.   (Previously presented) The improvement of claim 1, wherein the additional analysis programs operate on pairings of individual goods in individual selling locations.

16.   (Currently amended) The improvement of claim 1, wherein the additional analysis programs ~~operate on~~ report aggregated groups of goods in individual selling locations.

17.   (Currently amended) The improvement of claim 1, wherein the additional analysis programs ~~operate on~~ report aggregated individual goods in groups of selling locations.

18.   (Currently amended) The improvement of claim 1, wherein the additional analysis programs ~~operate on~~ report aggregated groups of goods in groups of selling locations.

19.   (Original) The improvement of claim 1, wherein the analysis is displayed on a monitor in communication with the computer system.

20.   (Original) The improvement of claim 1, wherein the analysis is saved in a spreadsheet file format.

21.   (Original) The improvement of claim 1, wherein the analysis is printed on paper, microfiche or optical media.

22.   (Original) The improvement of claim 1, wherein the analysis is distributed by e-mail or other messaging facility.

23.   (Previously presented) The improvement of claim 1, wherein the analysis generated by the additional analysis programs is utilized as input to an additional process.

24.   (Withdrawn) An improved management decision support system, including a computer system having memory and resources, a retail demand forecasting program applying one or more forecasting approaches, running on the computer system and generating output, and a set of analysis programs, running on the computer system and utilizing the output, said analysis programs generating at least one of (a) order of goods from a supplier-related data, (b) allocation of the goods to be shipped by the supplier-related data, or (c) distribution of goods to selling locations-related data, the improvement comprising:

        a presentation demand calendar utilized by the forecasting program to generate the output, said presentation demand calendar associating with a plurality of good-selling location pairs, data including a good identifier, a selling location identifier, a presentation demand type that selects one of a plurality of

alternative treatments of presentation demand, and one or more presentation quantities associated with a start date and a stop date; and

an additional analysis program in the set of analysis programs generating data reported in open to buy reports.

25.　(Withdrawn)　The improvement of claim 24, wherein the start date and the stop date are implicitly associated with a memory location in which the presentation quantity is stored.

26.　(Withdrawn)　The improvement of claim 24, wherein the start date and the stop date are explicitly stored.

27.　(Withdrawn)　The improvement of claim 24, wherein the start dates and stop dates for the one or more presentation quantities define non-overlapping periods.

28.　(Withdrawn)　The improvement of claim 24, wherein the start dates and stop dates for the one or more presentation quantities define overlapping periods.

29.　(Withdrawn)　The improvement of claim 24, wherein the good identifier associated with good-selling location pairs includes a good number and a good description.

30.　(Withdrawn)　The improvement of claim 24, further including a good description table associated with the good identifier.

31.　(Withdrawn)　The improvement of claim 24, wherein the selling location identifier associated with good-selling location pairs includes a selling location number and a selling location description.

32.　(Withdrawn)　The improvement of claim 24, further including a selling location description table associated with the selling location identifier.

33.　(Withdrawn)　The improvement of claim 24, wherein the set of analysis programs is adapted to basic retail goods.

34.　(Withdrawn)　The improvement of claim 24, wherein the set of analysis programs is adapted to seasonal retail goods.

35.   (Withdrawn) The improvement of claim 24, wherein the set of analysis programs is adapted to fashion retail goods.

36.   (Withdrawn) The improvement of claim 24, wherein the set of analysis programs operate on daily or more frequent period forecasts.

37.   (Withdrawn) The improvement of claim 24, wherein the set of analysis programs operate on weekly forecasts.

38.   (Withdrawn) The improvement of claim 24, wherein the set of analysis programs operate on pairings of individual goods in individual selling locations.

39.   (Withdrawn) The improvement of claim 24, wherein the set of analysis programs operate on groups of goods in individual selling locations.

40.   (Withdrawn) The improvement of claim 24, wherein the set of analysis programs operate on individual goods in groups of selling locations.

41.   (Withdrawn) The improvement of claim 24, wherein the set of analysis programs operate on groups of goods in groups of selling locations.

42-46. (Canceled).

47.   (Withdrawn) An improved management decision support system, including a computer system having memory and resources, a retail demand forecasting program applying one or more forecasting approaches, running on the computer system and generating output, and a set of analysis programs, running on the computer system and utilizing the output, said analysis programs generating at least one of (a) order of goods from a supplier-related data, (b) allocation of the goods to be shipped by the supplier-related data, or (c) distribution of goods to selling locations-related data, the improvement comprising:

> a presentation demand calendar utilized by the forecasting program to generate the output, said presentation demand calendar associating with a plurality of good-selling location pairs, data including a good identifier, a selling location identifier, a presentation demand type that selects one of a plurality of alternative treatments of presentation demand, and one or more presentation quantities associated with a start date and a stop date; and

an additional analysis program in the set of analysis programs generating data reported in markdown management reports.

48.   (Withdrawn) The improvement of claim 47, wherein the start date and the stop date are implicitly associated with a memory location in which the presentation quantity is stored.

49.   (Withdrawn) The improvement of claim 47, wherein the start date and the stop date are explicitly stored.

50.   (Withdrawn) The improvement of claim 47, wherein the start dates and stop dates for the one or more presentation quantities define non-overlapping periods.

51.   (Withdrawn) The improvement of claim 1, wherein the start dates and stop dates for the one or more presentation quantities define non-overlapping periods.

52.   (Withdrawn) The improvement of claim 47, wherein the good identifier associated with good-selling location pairs includes a good number and a good description.

53.   (Withdrawn) The improvement of claim 47, further including a good description table associated with the good identifier.

54.   (Withdrawn) The improvement of claim 47, wherein the selling location identifier associated with good-selling location pairs includes a selling location number and a selling location description.

55.   (Withdrawn) The improvement of claim 47, further including a selling location description table associated with the selling location identifier.

56.   (Withdrawn) The improvement of claim 47, wherein the set of analysis programs is adapted to basic retail goods.

57.   (Withdrawn) The improvement of claim 47, wherein the set of analysis programs is adapted to seasonal retail goods.

58.   (Withdrawn) The improvement of claim 47, wherein the set of analysis programs is adapted to fashion retail goods.

59.   (Withdrawn) The improvement of claim 47, wherein the set of analysis programs operate on daily or more frequent period forecasts.

60.   (Withdrawn) The improvement of claim 47, wherein the set of analysis programs operate on weekly forecasts.

61.   (Withdrawn) The improvement of claim 47, wherein the set of analysis programs operate on pairings of individual goods in individual selling locations.

62.   (Withdrawn) The improvement of claim 47, wherein the set of analysis programs operate on groups of goods in individual selling locations.

63.   (Withdrawn) The improvement of claim 47, wherein the set of analysis programs operate on individual goods in groups of selling locations.

64.   (Withdrawn) The improvement of claim 47, wherein the set of analysis programs operate on groups of goods in groups of selling locations.

65-69. (Canceled).

70.   (Withdrawn) An improved management decision support system, including a computer system having memory and resources, a retail demand forecasting program applying one or more forecasting approaches, running on the computer system and generating output, and a set of analysis programs, running on the computer system and utilizing the output, said analysis programs generating at least one of (a) order of goods from a supplier-related data, (b) allocation of the goods to be shipped by the supplier-related data, or (c) distribution of goods to selling locations-related data, the improvement comprising:

       a presentation demand calendar utilized by the forecasting program to generate the output, said presentation demand calendar associating with a plurality of good-selling location pairs, data including a good identifier, a selling location identifier, a presentation demand type that selects one of a plurality of alternative treatments of presentation demand, and one or more presentation quantities associated with a start date and a stop date; and

       an additional analysis program in the set of analysis programs generating data reported in bottom-up planning reports.

71.   (Withdrawn) The improvement of claim 70, wherein the start date and the stop date are implicitly associated with a memory location in which the presentation quantity is stored.

72.   (Withdrawn) The improvement of claim 70, wherein the start date and the stop date are explicitly stored.

73.   (Withdrawn) The improvement of claim 70, wherein the start dates and stop dates for the one or more presentation quantities define non-overlapping periods.

74.   (Withdrawn) The improvement of claim 1, wherein the start dates and stop dates for the one or more presentation quantities define non-overlapping periods.

75.   (Withdrawn) The improvement of claim 70, wherein the good identifier associated with good-selling location pairs includes a good number and a good description.

76.   (Withdrawn) The improvement of claim 70, further including a good description table associated with the good identifier.

77.   (Withdrawn) The improvement of claim 70, wherein the selling location identifier associated with good-selling location pairs includes a selling location number and a selling location description.

78.   (Withdrawn) The improvement of claim 70, further including a selling location description table associated with the selling location identifier.

79.   (Withdrawn) The improvement of claim 70, wherein the set of analysis programs is adapted to basic retail goods.

80.   (Withdrawn) The improvement of claim 70, wherein the set of analysis programs is adapted to seasonal retail goods.

81.   (Withdrawn) The improvement of claim 70, wherein the set of analysis programs is adapted to fashion retail goods.

82.   (Withdrawn) The improvement of claim 70, wherein the set of analysis programs operate on daily or more frequent period forecasts.

83.   (Withdrawn) The improvement of claim 70, wherein the set of analysis programs operate on weekly forecasts.

84.   (Withdrawn) The improvement of claim 70, wherein the set of analysis programs operate on pairings of individual goods in individual selling locations.

85.   (Withdrawn) The improvement of claim 70, wherein the set of analysis programs operate on groups of goods in individual selling locations.

86.   (Withdrawn) The improvement of claim 70, wherein the set of analysis programs operate on individual goods in groups of selling locations.

87.   (Withdrawn) The improvement of claim 70, wherein the set of analysis programs operate on groups of goods in groups of selling locations.

88.   (Withdrawn) The improvement of claim 70, wherein the analysis is displayed on a monitor in communication with the computer system.

89.   (Withdrawn) The improvement of claim 70, wherein the analysis is saved in a spreadsheet file format.

90.   (Withdrawn) The improvement of claim 70, wherein the analysis is printed on paper, microfiche or optical media.

91.   (Withdrawn) The improvement of claim 70, wherein the analysis is distributed by e-mail or

92.   (Withdrawn) The improvement of claim 70, wherein the analysis is utilized as input to an additional process.

93.   (Withdrawn) An improved management decision support system, including a computer system having memory and resources, a retail demand forecasting program applying one or more forecasting approaches, running on the computer system and generating output, and a set of analysis programs, running on the computer system and utilizing the output, said analysis programs generating at least one of (a) order of goods from a supplier-related data, (b) allocation of the goods to be shipped by the supplier-related data, or (c) distribution of goods to selling locations-related data, the improvement comprising:

a presentation demand calendar utilized by the forecasting program to generate the output, said presentation demand calendar associating with a plurality of good-selling location pairs, data including a good identifier, a selling location identifier, a presentation demand type that selects one of a plurality of alternative treatments of presentation demand, and one or more presentation quantities associated with a start date and a stop date; and

an additional analysis programs in the set of analysis programs generating data reported in promotional forward buying reports.

94.   (Withdrawn) The improvement of claim 93, wherein the start date and the stop date are implicitly associated with a memory location in which the presentation quantity is stored.

95.   (Withdrawn) The improvement of claim 93, wherein the start date and the stop date are explicitly stored.

96.   (Withdrawn) The improvement of claim 93, wherein the start dates and stop dates for the one or more presentation quantities define non-overlapping periods.

97.   (Withdrawn) The improvement of claim 1, wherein the start dates and stop dates for the one or more presentation quantities define non-overlapping periods.

98.   (Withdrawn) The improvement of claim 93, wherein the good identifier associated with good-selling location pairs includes a good number and a good description.

99.   (Withdrawn) The improvement of claim 93, further including a good description table associated with the good identifier.

100.   (Withdrawn) The improvement of claim 93, wherein the selling location identifier associated with good-selling location pairs includes a selling location number and a selling location description.

101.   (Withdrawn) The improvement of claim 93, further including a selling location description table associated with the selling location identifier.

102.   (Withdrawn) The improvement of claim 93, wherein the set of analysis programs is adapted to basic retail goods.

103.   (Withdrawn) The improvement of claim 93, wherein the set of analysis programs is adapted to seasonal retail goods.

104.   (Withdrawn) The improvement of claim 93, wherein the set of analysis programs is adapted to fashion retail goods.

105.   (Withdrawn) The improvement of claim 93, wherein the set of analysis programs operate on daily or more frequent period forecasts.

106.   (Withdrawn) The improvement of claim 93, wherein the set of analysis programs operate on weekly forecasts.

107.   (Withdrawn) The improvement of claim 93, wherein the set of analysis programs operate on pairings of individual goods in individual selling locations.

108.   (Withdrawn) The improvement of claim 93, wherein the set of analysis programs operate on groups of goods in individual selling locations.

109.   (Withdrawn) The improvement of claim 93, wherein the set of analysis programs operate on individual goods in groups of selling locations.

110.   (Withdrawn) The improvement of claim 93, wherein the set of analysis programs operate on groups of goods in groups of selling locations.

111.   (Withdrawn) The improvement of claim 93, wherein the analysis is displayed on a monitor in communication with the computer system.

112.   (Withdrawn) The improvement of claim 93, wherein the analysis is saved in a spreadsheet file format.

113.   (Withdrawn) The improvement of claim 93, wherein the analysis is printed on paper, microfiche or optical media.

114.   (Withdrawn) The improvement of claim 93, wherein the analysis is distributed by e-mail or other messaging facility.

115. (Withdrawn) The improvement of claim 93, wherein the analysis is utilized as input to an additional process.

116. (Previously presented) The improvement of claim 1, wherein the presentation demand calendar further includes:

a schedule of display fixtures including fixture identifiers for a plurality of fixture types and quantities of the fixtures present at particular selling locations; and

one or more PQ tables, the PQ tables associating with a plurality of good-selling location pairs, data including the fixture identifier, the good identifier, the selling location identifier, and the one or more presentation quantities each associated with the start and stop dates.

117.   (Withdrawn) A presentation demand calendar component of a retailing management decision support system, the retailing management decision support system including a computer system having memory and resources, a retail demand forecasting program applying one or more forecasting approaches running on the computer system and generating output, and a set of analysis programs, running on the computer system and utilizing the output, said analysis programs generating at least one of (a) order of goods from a supplier-related data, (b) allocation of the goods to be shipped by the supplier-related data, or (c) distribution of goods to selling locations-related data, the presentation demand calendar including:

a schedule of display fixtures in machine readable memory including fixture identifiers for a plurality of fixture types and quantities of the fixtures present at particular selling locations;

one or more PQ tables in machine readable memory, the PQ tables associating with a plurality of good-selling location pairs, data including the fixture identifier, a good identifier, a selling location identifier, and one or more presentation quantities each associated with a start date and a stop date.

118. (Withdrawn) The presentation demand calendar of claim 117, further including one or more additional analysis program components in the set of analysis programs generating an open to buy analysis.

119. (Withdrawn) The presentation demand calendar component of claim 117, further including one or more additional analysis program components in the set of analysis programs using the presentation demand calender generating a markdown management analysis.

120. (Currently amended) The method of claim 1, wherein the presentation demand type selected causes the presentation quantity used by the forecasting program to be the average presentation quantity for the location during ~~the~~ a predetermined selling period.

121. (Currently amended) The method of claim 1, wherein the presentation demand type selected causes the presentation quantity used by the forecasting program to be the presentation quantity for the selling location on the first day of ~~the~~ a predetermined selling period.

122. (Currently amended) The method of claim 1, wherein the presentation demand type selected causes the presentation quantity used by the forecasting program to be the presentation quantity on the day of ~~the~~ a predetermined selling period when the good is received at the selling location.

123. (Currently amended) The method of claim 1, wherein the presentation demand type selected causes the presentation quantity used by the forecasting program to be the largest presentation quantity associated with the good at the selling location for any day of ~~the~~ a predetermined selling period.

124. (Previously presented) The method of claim 1, wherein the presentation demand type selected causes the presentation quantity used by the forecasting program to be the larger of the presentation quantities or the projected demand requirements for the good at the selling locations.

125. (Currently amended) The method of claim 1, wherein the presentation demand type selected causes the presentation quantity used by the forecasting program to be the presentation quantity for the selling location on the last day of ~~the~~ a predetermined selling period.

126. (New) A computer-implemented method of generating reports from simulated unit inventory and unit sales on a bottom-up per location basis for a multitude of items at a plurality of locations, including:

modeling with a presentation demand calendar, which is a data structure stored in computer readable memory, a plurality of retail presentation events having presentation demand types that have differing impacts on presentation quantity requirements,

wherein a presentation event data tuple for a retail presentation event in the presentation demand calendar includes at least

a good identifier,

a selling location identifier,

a presentation demand type that selects one of a plurality of alternative treatments of presentation demand, and

one or more presentation quantities each associated with a start date and a stop date;

forecasting unit inventory and unit sales at a per-item, per-location level using the presentation demand type to identify one or more presentation quantity requirements and, in combination with other data in the presentation event data tuple, to modify presentation quantity requirements during the presentation event; and

generating, from results of the forecasting using the presentation demand calendar consistently across analytical tools, analytical reports that support retailing activities.

127. (New) The method of claim 126, wherein the method further includes:

modeling with schedule of display fixtures, which is a data structure stored in computer readable memory, fixtures and fixture capacities in the plurality of locations, the schedule of display fixtures including fixture identifiers for a plurality of fixture types and quantities of the fixtures present at particular selling locations;

associating particular presentation events with use of particular display fixture types to display particular items; and

deriving at least some of the presentation quantity requirements from the use of the particular display fixture types to display the particular items.